

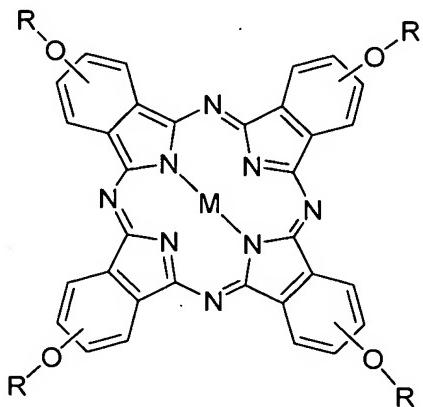
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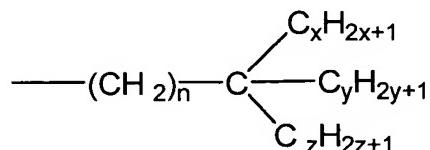
PHTHALOCYANINE DERIVATIVES, THEIR USE AS HOMEOTROPICALLY  
ALIGNED LAYER IN ELECTRONIC DEVICES AND METHOD FOR THE  
MANUFACTURING THEREOF

Abstract of the Disclosure

The present invention discloses a liquid crystalline tetra alkyloxy-substituted phthalocyanine derivative with the following structure: (I)



where M is a metal such as zinc (Zn), copper (Cu), platinum (Pt), palladium (Pd), or two atoms such as 2 H or 2 Li, and R is the followed branched aliphatic chain: (II)



with n = 0 and x= 6-30 y = 6-30 z = 0-30 or n = 1 and x = 10-30 y = 6-30 z = 0-30 or n > 1 and x = 6-30 y = 6-30 z = 6-30.